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OM protein - protein search, using sw model

Run on: November 17, 2003, 15:13:36 ; Search time 21 Seconds
(without alignments)
32.237 Million cell updates/sec

Title: US-09-897-465-10
Perfect score: 104
Sequence: 1 GCCSLPPCALNNPDYC 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
1: /cgn2_6/protdata/1/aaa/5A-COMB.pep:*
2: /cgn2_6/protdata/1/aaa/5B-COMB.pep:*
3: /cgn2_6/protdata/1/aaa/6A-COMB.pep:*
4: /cgn2_6/protdata/1/aaa/6B-COMB.pep:*
5: /cgn2_6/protdata/1/aaa/PCTUS-COMB.pep:*
6: /cgn2_6/protdata/1/aaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	104	100.0	16	3	US-09-219-446B-10
2	99	95.2	16	3	US-09-219-446B-9
3	99	95.2	16	3	US-09-219-446B-12
4	94	90.4	16	3	US-09-219-446B-11
5	75	72.1	65	1	US-08-137-800-46
6	75	72.1	65	1	US-08-477-383-46
7	75	72.1	65	1	US-08-487-174-46
8	75	72.1	65	1	US-08-480-750-46
9	74	71.2	16	2	US-08-857-068-2
10	74	71.2	16	3	US-09-219-446B-5
11	74	71.2	17	3	US-09-219-446B-6
12	67	64.4	16	2	US-08-857-068-4
13	67	64.4	16	3	US-09-219-446B-8
14	66	63.5	15	2	US-08-857-068-3
15	65	62.5	15	3	US-09-488-799-95
16	64	61.5	63	3	US-09-488-799-93
17	64	61.5	63	3	US-09-488-799-99
18	60	57.7	18	1	US-08-137-800-32
19	60	57.7	18	1	US-08-477-383-32
20	60	57.7	18	1	US-08-487-174-32
21	60	57.7	18	1	US-08-480-750-32
22	60	57.7	62	3	US-09-488-799-89
23	59	56.7	63	3	US-09-488-799-97
24	58	55.8	15	3	US-09-219-446B-7
25	56	53.8	44	3	US-09-488-799-91
26	56	53.8	62	3	US-09-488-799-101
27	55	52.9	20	1	US-08-137-800-18

28	55	52.9	20	1	US-08-477-383-18	Sequence 18, Appl
29	55	52.9	20	1	US-08-487-174-18	Sequence 18, Appl
30	55	52.9	20	1	US-08-480-750-18	Sequence 18, Appl
31	55	52.9	68	1	US-08-137-800-47	Sequence 47, Appl
32	55	52.9	68	1	US-08-477-383-47	Sequence 47, Appl
33	55	52.9	68	1	US-08-487-174-47	Sequence 47, Appl
34	55	52.9	68	1	US-08-480-750-47	Sequence 47, Appl
35	55	52.9	70	1	US-08-137-800-49	Sequence 49, Appl
36	55	52.9	70	1	US-08-477-383-49	Sequence 49, Appl
37	55	52.9	70	1	US-08-487-174-49	Sequence 49, Appl
38	55	52.9	70	1	US-08-480-750-49	Sequence 49, Appl
39	50	48.1	16	1	US-08-137-800-14	Sequence 14, Appl
40	50	48.1	16	1	US-08-477-383-14	Sequence 14, Appl
41	50	48.1	16	1	US-08-477-383-54	Sequence 54, Appl
42	50	48.1	16	1	US-08-487-174-14	Sequence 14, Appl
43	50	48.1	16	1	US-08-487-174-54	Sequence 54, Appl
44	50	48.1	16	1	US-08-480-750-14	Sequence 14, Appl
45	50	48.1	16	1	US-08-480-750-54	Sequence 54, Appl

ALIGNMENTS

RESULT 1
US-09-219-446B-10
; Sequence 10, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Sigin
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219.446B
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A10L derivative
; OTHER INFORMATION: of C. purpurascens Pn1A
US-09-219-446B-10

Query Match 100.0%; Score 104; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.2e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
| | | | | | | | | | | | | | | |
Db 1 GCCSLPPCALNNPDYC 16

RESULT 2
US-09-219-446B-9
; Sequence 9, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Sigin
; APPLICANT: University of Utah Research Foundation

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; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus purpurascens
US-09-219-446B-9

Query Match          95.2%; Score 99; DB 3; Length 16;
Best Local Similarity 93.8%; Pred. No. 4.7e-06;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy      1 GCCSLPPCALNPDYC 16
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Db      1 GCCSLPPCALNPDYC 16
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RESULT 3
US-09-219-446B-12
; Sequence 12, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus purpurascens
US-09-219-446B-12

Query Match          95.2%; Score 99; DB 3; Length 16;
Best Local Similarity 93.8%; Pred. No. 4.7e-06;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 GCCSLPPCALNPDYC 16
      |||||:|||||
Db      1 GCCSLPPCALNPDYC 16
      |||||:|||||

RESULT 4
US-09-219-446B-11
; Sequence 11, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; TITLE OF INVENTION: University of Utah Research Foundation
; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides

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; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE::
; OTHER INFORMATION: Description of Artificial Sequence: N11S derivative
; OTHER INFORMATION: of C. purpurascens Pn1A
US-09-219-446B-11

Query Match          90.4%; Score 94; DB 3; Length 16;
Best Local Similarity 87.5%; Pred. No. 1.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 GCCSLPPCALNPDYC 16
      |||||:|||||
Db      1 GCCSLPPCALNPDYC 16
      |||||:|||||

RESULT 5
US-08-137-800-46
; Sequence 46, Application US/08137800
; Patent No. 5514774
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Hillyard, David R.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Santos, Ameurfin D.
; TITLE OF INVENTION: Conotoxin Peptides
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue N.W., Suite 1000
; CITY: Washington
; STATE: DC
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/137,800
; FILING DATE: 19-OCT-1993
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-104763
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus bandanus
US-08-137-800-46

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Query Match 72.1%; Score 75; DB 1; Length 65;
 Best Local Similarity 68.8%; Pred. No. 0.012;
 Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
 DB 49 GCCSHPCACSVNNPDIC 64

RESULT 6

US-08-477-383-46
 ; Sequence 46, Application US/08477383
 ; Patent No. 5589340
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: Cruz, Lourdes J.
 ; APPLICANT: Hillyard, David R.
 ; APPLICANT: Macintosh, J. Michael
 ; APPLICANT: Santos, Ameurfino S.
 ; TITLE OF INVENTION: Conotoxin Peptides
 ; NUMBER OF SEQUENCES: 59
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
 ; STREET: 1201 New York Avenue, N.W., Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: U.S.A.
 ; ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/477,383
 FILING DATE: 07-JUN-1995
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/137,800
 FILING DATE: 19-OCT-1993
 APPLICATION NUMBER: US 08/084,848
 FILING DATE: 29-JUN-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Ihnen, Jeffrey L.
 REGISTRATION NUMBER: 28,957
 REFERENCE/DOCKET NUMBER: 24260-107673
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-962-4810
 TELEFAX: 202-962-8300
 INFORMATION FOR SEQ ID NO: 46:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 65 amino acids
 TYPE: amino acid
 STRANDEDNESS:
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 ORGANISM: Conus bandanus
 US-08-477-383-46

Query Match 72.1%; Score 75; DB 1; Length 65;
 Best Local Similarity 68.8%; Pred. No. 0.012;
 Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
 DB 49 GCCSHPCACSVNNPDIC 64

RESULT 7

US-08-487-174-46

; Sequence 46, Application US/08487174
 ; Patent No. 5595972
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: Cruz, Lourdes J.
 ; APPLICANT: Hillyard, David R.
 ; APPLICANT: Macintosh, J. Michael
 ; APPLICANT: Santos, Ameurfino S.
 ; TITLE OF INVENTION: Conotoxin Peptides
 ; NUMBER OF SEQUENCES: 59
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
 ; STREET: 1201 New York Avenue, N.W., Suite 1000
 ; CITY: Washington
 ; STATE: DC
 ; COUNTRY: U.S.A.
 ; ZIP: 20005
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/487,174
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/137,800
 ; FILING DATE: 19-OCT-1993
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/084,848
 ; FILING DATE: 29-JUN-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ihnen, Jeffrey L.
 ; REGISTRATION NUMBER: 28,957
 ; REFERENCE/DOCKET NUMBER: 24260-107673
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 202-962-4810
 ; TELEFAX: 202-962-8300
 ; INFORMATION FOR SEQ ID NO: 46:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 65 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS:
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; HYPOTHETICAL: NO
 ; ORIGINAL SOURCE:
 ; ORGANISM: Conus bandanus
 ; US-08-487-174-46

Query Match 72.1%; Score 75; DB 1; Length 65;
 Best Local Similarity 68.8%; Pred. No. 0.012;
 Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
 DB 49 GCCSHPCACSVNNPDIC 64

RESULT 8

US-08-480-750-46
 ; Sequence 46, Application US/08480750
 ; Patent No. 5633347
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: Cruz, Lourdes J.
 ; APPLICANT: Hillyard, David R.
 ; APPLICANT: Macintosh, J. Michael
 ; APPLICANT: Santos, Ameurfino S.
 ; TITLE OF INVENTION: Conotoxin Peptides
 ; NUMBER OF SEQUENCES: 59
 ; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, N.W., Suite 1000
; CITY: Washington
; STATE: DC
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,750
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/137,800
; FILING DATE: 19-OCT-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/084,848
; FILING DATE: 29-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-107673
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 65 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Conus bandanus
; US-08-480-750-46

Query Match 72.1%; Score 75; DB 1; Length 65;
Best Local Similarity 68.8%; Pred. No. 0.012;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
Db 49 GCCSHPCACSVNPDIC 64

RESULT 9
US-08-857-068-2
; Sequence 2, Application US/08857068
; Patent No. 5866682
; GENERAL INFORMATION:
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Cartier, G. Edward
; APPLICANT: Yoshikami, Doju
; APPLICANT: Iuo, Sign
; APPLICANT: Olivera, Baldomero M.
; TITLE OF INVENTION: CONOPEPTIDES AUIA, AUIB AND AUIC
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: US
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/857,068
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Ihnen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-121388
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810
; TELEFAX: 202-962-8300
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; ORGANISM: Conus aulicus
; FEATURE:
; NAME/KEY: Disulfide-bond
; LOCATION: 2..8
; NAME/KEY: Disulfide-bond
; LOCATION: 3..16
; US-08-857-068-2

Query Match 71.2%; Score 74; DB 2; Length 16;
Best Local Similarity 68.8%; Pred. No. 0.0044;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
Db 1 GCCSYPPCFATNSDYC 16

RESULT 10
US-09-219-446B-5
; Sequence 5, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Iuo, Sign
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 5
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus aulicus
; US-09-219-446B-5

Query Match 71.2%; Score 74; DB 3; Length 16;
Best Local Similarity 68.8%; Pred. No. 0.0044;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
Db 1 GCCSYPPCFATNSDYC 16
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RESULT 11
US-09-219-446B-6
; Sequence 6, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siglin
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; PRIOR FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Tyr derivative
; OTHER INFORMATION: of C. aulicus AulA
US-09-219-446B-6
Query Match 71.2%; Score 74; DB 3; Length 17;
Best Local Similarity 68.8%; Pred. No. 0.0047;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNPPDYC 16
||| ||| ||| |||
Db 2 GCCSYPPCFATNSDYC 17

RESULT 12
US-08-857-068-4
; Sequence 4, Application US/08857068
; Patent No. 5866682
; GENERAL INFORMATION:
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Cartier, G. Edward
; APPLICANT: Yoshikami, Doju
; APPLICANT: Luo, Siglin
; APPLICANT: Olivera, Baldomero M.
; TITLE OF INVENTION: CONOPEPTIDES AulA, AulB AND AulC
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Venable, Baetjer, Howard & Civiletti
; STREET: 1201 New York Avenue, Suite 1000
; CITY: Washington
; STATE: D.C.
; COUNTRY: US
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/857,068
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Innen, Jeffrey L.
; REGISTRATION NUMBER: 28,957
; REFERENCE/DOCKET NUMBER: 24260-121388
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-962-4810

RESULT 13
US-09-219-446B-8
; Sequence 8, Application US/09219446B
; Patent No. 6265541
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siglin
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxins
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/219,446B
; CURRENT FILING DATE: 1998-12-23
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Conus aulicus
US-09-219-446B-8
Query Match 64.4%; Score 67; DB 3; Length 16;
Best Local Similarity 62.5%; Pred. No. 0.03;
Matches 10; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNPPDYC 16
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Db 1 GCCSYPPCFATNSGYC 16

RESULT 14
US-08-857-068-3
; Sequence 3, Application US/08857068
; Patent No. 5866682
; GENERAL INFORMATION:
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Cartier, G. Edward
; APPLICANT: Yoshikami, Doju
; APPLICANT: Luo, Siglin
; APPLICANT: Olivera, Baldomero M.
```

TITLE OF INVENTION: CONOPEPTIDES AUIA, AUIB AND AUIC
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Venable, Baetjer, Howard & Civiletti
STREET: 1201 New York Avenue, Suite 1000
CITY: Washington
STATE: D.C.
COUNTRY: US
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/857,068
FILING DATE:
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Ihnen, Jeffrey L.
REGISTRATION NUMBER: 28,957
REFERENCE/DOCKET NUMBER: 24260-121388
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-962-4810
TELEFAX: 202-962-8300
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Conus aulicus
FEATURE:
NAME/KEY: Disulfide-bond
LOCATION: 2..8
FEATURE:
NAME/KEY: Disulfide-bond
LOCATION: 3..15
US-08-857-068-3

Query Match 63.5%; Score 66; DB 2; Length 15;
Best Local Similarity 71.4%; Pred. No. 0.037;
Matches 10; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPD 14
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Db 1 GCCSYPPCFATNPD 14

RESULT 15
US-09-488-799-95
Sequence 95, Application US/09488799
Patent No. 6268473
GENERAL INFORMATION:
APPLICANT: Olivera, Baldomero M.
APPLICANT: Layer, Richard T.
APPLICANT: Watkins, Maren
APPLICANT: Hillyard, David R.
APPLICANT: McIntosh, J. Michael
APPLICANT: Schoenfeld, Robert
APPLICANT: Jones, Robert M.
TITLE OF INVENTION: Alpha Conotoxin Peptides
FILE REFERENCE: Alphas 1
CURRENT APPLICATION NUMBER: US/09/488,799
CURRENT FILING DATE: 2000-01-21
EARLIER APPLICATION NUMBER: 60/116,881
EARLIER FILING DATE: 1999-01-22
EARLIER APPLICATION NUMBER: 60/116,882
EARLIER FILING DATE: 1999-01-22
NUMBER OF SEQ ID NOS: 101
SOFTWARE: Patent In Ver. 2.0

; SEQ ID NO 95
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Conus sulcatus
US-09-488-799-95

Query Match 62.5%; Score 65; DB 3; Length 65;
Best Local Similarity 56.2%; Pred. No. 0.19;
Matches 9; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
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Db 46 GCCSYPPCFATNPDIC 61

Search completed: November 17, 2003, 15:21:49
Job time : 22 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 17, 2003, 15:19:01 ; Search time 29 Seconds
(without alignments)
100.722 Million cell updates/sec

Title: US-09-897-465-10

Perfect score: 104

Sequence: 1 GCCSLPPCALNPNPDC 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 666188 seqs, 182559486 residues

Total number of hits satisfying chosen parameters: 666188

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_AA.*
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10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pep.*
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16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	99	95.2	16	9	US-09-897-465-12
4	94	90.4	16	9	US-09-897-465-11
5	74	71.2	16	9	US-09-897-465-5
6	74	71.2	17	9	US-09-897-465-6
7	72	69.2	19	15	US-10-072-602B-604
8	72	69.2	61	15	US-10-072-602B-406
9	70	67.3	17	15	US-10-072-602B-618
10	70	67.3	63	15	US-10-072-602B-446
11	69.5	66.8	17	15	US-10-072-602B-615
12	69.5	66.8	63	15	US-10-072-602B-437
13	69	66.3	17	15	US-10-072-602B-609
14	69	66.3	61	15	US-10-072-602B-419
15	67	64.4	16	9	US-09-897-465-8

67 64.4 16 15 US-10-072-602B-617 Sequence 617, App
67 64.4 57 15 US-10-072-602B-443 Sequence 443, App
65 62.5 17 15 US-10-072-602B-602 Sequence 602, App
65 62.5 17 15 US-10-072-602B-603 Sequence 603, App
65 62.5 65 11 US-09-908-741-95 Sequence 95, Appl
64 61.5 63 11 US-09-908-741-93 Sequence 93, Appl
64 61.5 63 11 US-09-908-741-99 Sequence 99, Appl
63 60.6 21 15 US-10-072-602B-611 Sequence 611, App
63 60.6 21 15 US-10-072-602B-425 Sequence 425, App
60 56.7 62 11 US-09-908-741-89 Sequence 89, Appl
59 56.7 63 11 US-09-908-741-97 Sequence 97, Appl
58 55.8 15 9 US-09-897-465-7 Sequence 7, Appl
58 55.8 15 15 US-10-072-602B-616 Sequence 616, App
28 55.8 17 15 US-10-072-602B-613 Sequence 613, App
29 55.8 17 15 US-10-072-602B-440 Sequence 440, App
30 55.8 57 15 US-10-072-602B-440 Sequence 440, App
31 55.8 58 15 US-10-072-602B-431 Sequence 431, App
32 56 44 11 US-09-908-741-91 Sequence 91, Appl
33 56 62 11 US-09-908-741-101 Sequence 101, App
34 55 20 15 US-10-072-602B-620 Sequence 620, App
35 55 22 15 US-10-072-602B-452 Sequence 452, App
36 54 14 15 US-10-072-602B-614 Sequence 614, App
37 54 17 15 US-10-072-602B-606 Sequence 606, App
38 54 19 15 US-10-072-602B-407 Sequence 407, App
39 54 58 15 US-10-072-602B-434 Sequence 434, App
40 54 64 15 US-10-072-602B-412 Sequence 412, App
41 53 169 15 US-10-156-761-14131 Sequence 14131, A
42 51 49.0 17 15 US-10-072-602B-610 Sequence 610, App
43 51 49.0 64 15 US-10-072-602B-422 Sequence 422, App
44 50 48.1 15 15 US-10-072-602B-607 Sequence 607, App
45 50 48.1 16 9 US-09-897-465-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1

US-09-897-465-10
; Sequence 10, Application US/09897465
; Patent No. US20020022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Sign
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/897,465
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: A10L derivative
; OTHER INFORMATION: of C. purpurascens PnIA
US-09-897-465-10

Query Match 100.0%; Score 104; DB 9; Length 16;
Best Local Similarity 100.0%; Pred. No. 2.9e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNPNPDC 16
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DB 1 GCCSLPPCALNPNPDC 16
|||||

RESULT 2

US-09-897-465-9
 ; Sequence 9, Application US/09897465
 ; Patent No. US20020022715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Yoshikami, Doju
 ; APPLICANT: Cartier, G. Edward
 ; APPLICANT: Luo, Siqin
 ; TITLE OF INVENTION: University of Utah Research Foundation
 ; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
 ; CURRENT APPLICATION NUMBER: US/09/897,465
 ; CURRENT FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: US 60/080,588
 ; PRIOR FILING DATE: 1998-04-03
 ; PRIOR APPLICATION NUMBER: US 60/070,153
 ; PRIOR FILING DATE: 1997-12-31
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 9
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Conus purpurascens
 US-09-897-465-9

Query Match 95.2%; Score 99; DB 9; Length 16;
 Best Local Similarity 93.8%; Pred. No. 1.3e-06;
 Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
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 Db 1 GCCSLPPCALNPDYC 16

RESULT 3

US-09-897-465-12
 ; Sequence 12, Application US/09897465
 ; Patent No. US20020022715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Yoshikami, Doju
 ; APPLICANT: Cartier, G. Edward
 ; APPLICANT: Luo, Siqin
 ; TITLE OF INVENTION: University of Utah Research Foundation
 ; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
 ; CURRENT APPLICATION NUMBER: US/09/897,465
 ; CURRENT FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: US 60/080,588
 ; PRIOR FILING DATE: 1998-04-03
 ; PRIOR APPLICATION NUMBER: US 60/070,153
 ; PRIOR FILING DATE: 1997-12-31
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 12
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Conus purpurascens
 US-09-897-465-12

Query Match 95.2%; Score 99; DB 9; Length 16;
 Best Local Similarity 93.8%; Pred. No. 1.3e-06;
 Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
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 Db 1 GCCSLPPCALNPDYC 16

RESULT 4

US-09-897-465-11
 ; Sequence 11, Application US/09897465
 ; Patent No. US20020022715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Yoshikami, Doju
 ; APPLICANT: Cartier, G. Edward
 ; APPLICANT: Luo, Siqin
 ; TITLE OF INVENTION: University of Utah Research Foundation
 ; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
 ; CURRENT APPLICATION NUMBER: US/09/897,465
 ; CURRENT FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: US 60/080,588
 ; PRIOR FILING DATE: 1998-04-03
 ; PRIOR APPLICATION NUMBER: US 60/070,153
 ; PRIOR FILING DATE: 1997-12-31
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 11
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: N11S derivative
 ; OTHER INFORMATION: of C. purpurascens Pn1A
 US-09-897-465-11

Query Match 90.4%; Score 94; DB 9; Length 16;
 Best Local Similarity 87.5%; Pred. No. 5.8e-06;
 Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
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 Db 1 GCCSLPPCALNPDYC 16

RESULT 5

US-09-897-465-5
 ; Sequence 5, Application US/09897465
 ; Patent No. US20020022715A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Olivera, Baldomero M.
 ; APPLICANT: McIntosh, J. Michael
 ; APPLICANT: Yoshikami, Doju
 ; APPLICANT: Cartier, G. Edward
 ; APPLICANT: Luo, Siqin
 ; TITLE OF INVENTION: University of Utah Research Foundation
 ; FILE REFERENCE: Uses of Alpha-Conotoxin Peptides
 ; CURRENT APPLICATION NUMBER: US/09/897,465
 ; CURRENT FILING DATE: 2001-07-03
 ; PRIOR APPLICATION NUMBER: US 60/080,588
 ; PRIOR FILING DATE: 1998-04-03
 ; PRIOR APPLICATION NUMBER: US 60/070,153
 ; PRIOR FILING DATE: 1997-12-31
 ; NUMBER OF SEQ ID NOS: 13
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 5
 ; LENGTH: 16
 ; TYPE: PRT
 ; ORGANISM: Conus aulicus
 US-09-897-465-5

Query Match 71.2%; Score 74; DB 9; Length 16;
 Best Local Similarity 68.8%; Pred. No. 0.0024;
 Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNPDYC 16
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 Db 1 GCCSLPPCALNPDYC 16

RESULT 6
US-09-897-465-6
; Sequence 6, Application US/09897465
; Patent No. US2002022715A1
; GENERAL INFORMATION:
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Yoshikami, Doju
; APPLICANT: Cartier, G. Edward
; APPLICANT: Luo, Siqin
; APPLICANT: University of Utah Research Foundation
; TITLE OF INVENTION: Uses of Alpha-Conotoxin Peptides
; FILE REFERENCE: Uses of Alpha-Conotoxins
; CURRENT APPLICATION NUMBER: US/09/897,465
; CURRENT FILING DATE: 2001-07-03
; PRIOR APPLICATION NUMBER: US 60/080,588
; PRIOR FILING DATE: 1998-04-03
; PRIOR APPLICATION NUMBER: US 60/070,153
; PRIOR FILING DATE: 1997-12-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:Tyr derivative
; OTHER INFORMATION: of C. aulicus AulA
US-09-897-465-6

Query Match 71.2%; Score 74; DB 9; Length 17;
Best Local Similarity 68.8%; Pred. No. 0.0025;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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DB 2 GCCSYPPCFATNSDYC 17

RESULT 7
US-10-072-602B-604
; Sequence 604, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 604
; LENGTH: 19
; TYPE: PRT
; ORGANISM: Conus quercinus
US-10-072-602B-604
Query Match 69.2%; Score 72; DB 15; Length 19;

Best Local Similarity 68.8%; Pred. No. 0.0051;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
QY 1 GCCSLPPCALNNPDYC 16
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DB 2 GCCSDPACAVSNPDIC 17

RESULT 8
US-10-072-602B-406
; Sequence 406, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 406
; LENGTH: 61
; TYPE: PRT
; ORGANISM: Conus quercinus
US-10-072-602B-406

Query Match 69.2%; Score 72; DB 15; Length 61;
Best Local Similarity 68.8%; Pred. No. 0.015;
Matches 11; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 GCCSLPPCALNNPDYC 16
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DB 42 GCCSDPACAVSNPDIC 57

RESULT 9
US-10-072-602B-618
; Sequence 618, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J. Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: Patentin version 3.0

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; SEQ ID NO 618
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Conus generalis
US-10-072-602B-618
Query Match      67.3%; Score 70; DB 15; Length 17;
Best Local Similarity 68.8%; Pred. No. 0.0083;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 1 GCCSNPCYANNQAYC 16

RESULT 10
US-10-072-602B-446
; Sequence 446, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J, Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 446
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Conus generalis
US-10-072-602B-446
Query Match      67.3%; Score 70; DB 15; Length 63;
Best Local Similarity 68.8%; Pred. No. 0.028;
Matches 11; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 GCCSLPPCALNNPDYC 16
Db 44 GCCSNPCYANNQAYC 59

RESULT 11
US-10-072-602B-615
; Sequence 615, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J, Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides

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; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 615
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Conus cinereus gubba
US-10-072-602B-615

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Query Match      66.8%; Score 69.5; DB 15; Length 17;
Best Local Similarity 68.8%; Pred. No. 0.0097;
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Qy 1 GCCSLPPCALNNPDYC 16
Db 2 GCCSFPFCIANNP-FC 16

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RESULT 12
US-10-072-602B-437
; Sequence 437, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J, Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.
; APPLICANT: Cruz, Lourdes J.
; APPLICANT: Grilley, Michelle
; APPLICANT: Schoenfeld, Robert M.
; APPLICANT: Walker, Craig
; APPLICANT: Shetty, Reshma
; APPLICANT: Jones, Robert M.
; TITLE OF INVENTION: Cone Snail Peptides
; FILE REFERENCE: 2314-249
; CURRENT APPLICATION NUMBER: US/10/072,602B
; CURRENT FILING DATE: 2002-02-11
; PRIOR APPLICATION NUMBER: US 60/267,408
; PRIOR FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 638
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 437
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Conus cinereus gubba
US-10-072-602B-437

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Query Match      66.8%; Score 69.5; DB 15; Length 63;
Best Local Similarity 68.8%; Pred. No. 0.033;
Matches 11; Conservative 1; Mismatches 3; Indels 1; Gaps 1;

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Qy 1 GCCSLPPCALNNPDYC 16
Db 45 GCCSFPFCIANNP-FC 59

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RESULT 13
US-10-072-602B-609
; Sequence 609, Application US/10072602B
; Publication No. US20030109670A1
; GENERAL INFORMATION:
; APPLICANT: University of Utah Research Foundation
; APPLICANT: Cognetix, Inc.
; APPLICANT: Olivera, Baldomero M.
; APPLICANT: McIntosh, J, Michael
; APPLICANT: Watkins, Maren
; APPLICANT: Garrett, James E.

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RESULT 15
US-09-897-465-8
; Sequence 8, Application US/09897465
; Patent No. US20020022715A1

Search completed: November 17, 2003, 15:26:05
Job time : 29 secs